

FIG. 1

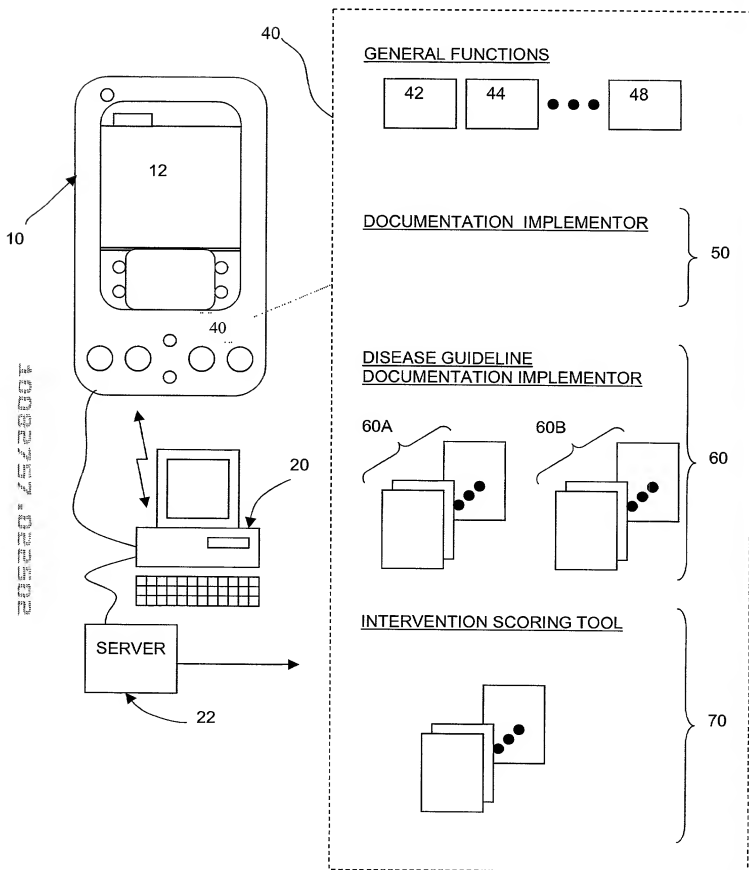


FIG. 2

FIG. 3.1

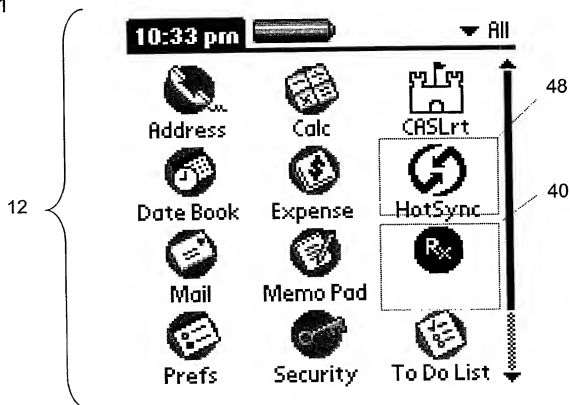


FIG. 3.2



**Pharmacy Intervention
Documentation System**

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Integrated Software
Systems, LLC**

Enter Intervention

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FIG. 3.3

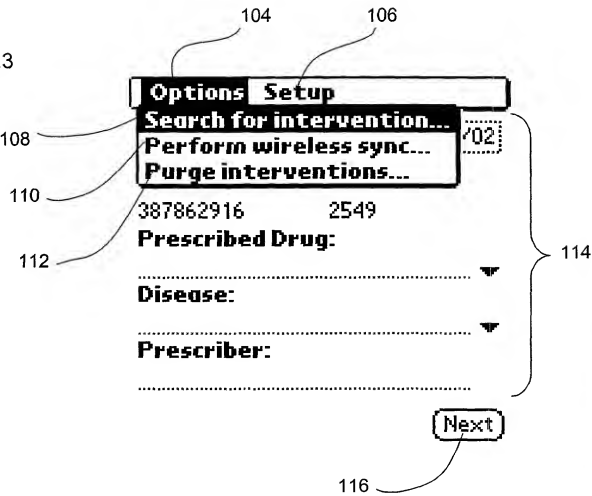


FIG. 3.4

The image shows a software interface with a menu bar at the top containing 'Options' and 'Setup'. The 'Setup' menu is open, showing two options: 'Set preferences...' and 'Delete database...'. Below the menu, there is a form with several fields. A bracket on the right side of the form groups the 'Site ID', 'Rotation ID', 'Student ID', 'Prescribed Drug', 'Disease', and 'Prescriber' fields. At the bottom right of the form is a 'Next' button.

106

118

120

Options **Setup**

Site ID: 6: **Set preferences...** **Delete database...**

Rotation ID: 387862916 **Student ID:** 2549

Prescribed Drug:

Disease:

Prescriber:

Next

114

116

FIG. 3.5

118

Preferences

Wireless Sync URL:
tcp://www.drake.edu/cgi-bin/sync.pl

Site ID: **Rotation ID:**
Rotation ID: 1195

Student ID:

119

☒ Enable Speed Entry

122

124 Accept 126 Cancel

[illegible]

Site ID: _____ **Date:** 1/13/02
Rotation ID: 1195 **Student ID:** _____
Prescribed Drug: _____ } 128
 Lipitor }
Disease: _____ } 130
 Hyperlipidemia }
Prescriber: _____ } 132
 Smith }

Next

FIG. 3.7

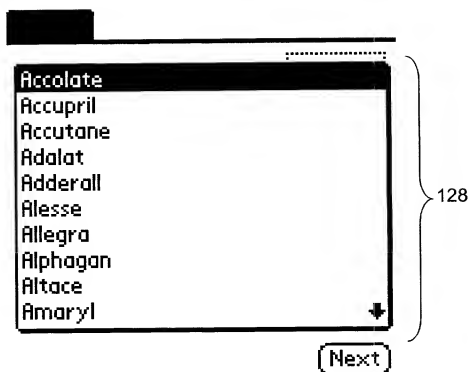


FIG. 3.8

134

Drug-Related Problem

138

[Please select one]
Unnecessary Drug Therapy
Wrong Drug
Dosage Too Low
Adverse Drug Reaction
Dosage Too High
Inappropriate Compliance
Need Drug Therapy

136

Back Next

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FIG. 3.9

138

Dosage Too Low

[Please select one]

Wrong Dose

Frequency Inappropriate

Duration Inappropriate

Incorrect Storage

Incorrect Administration

Drug Interaction

140

Back Next

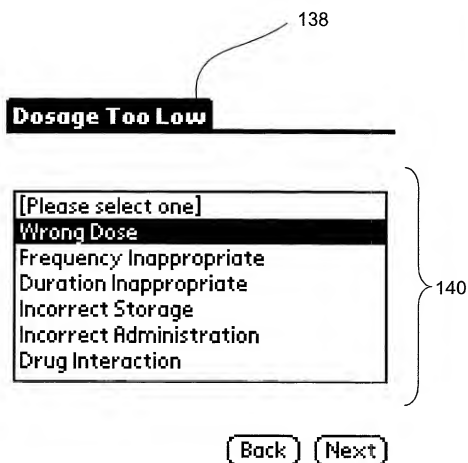


FIG. 3.10

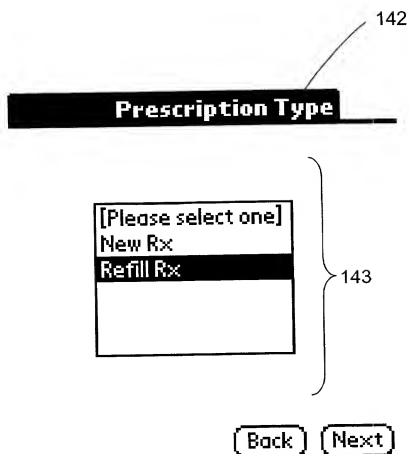


FIG. 3.11

144

Patient Risk

[Please select one]
Significant
Moderate
Mild

145

Back Next

FIG. 3.12

146

Problem Type

[Please select one]

Actual

Potential

147

Back Next

Problem Type
[Please select one]
Actual
Potential

147

Back Next

FIG. 3.13

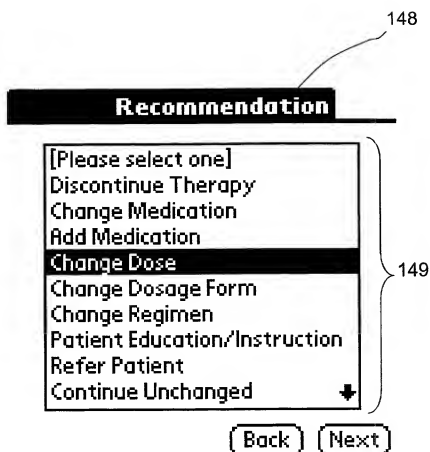


FIG. 3.14

150

Activity

[Please select one]

Prescriber Contacted By Phone

Prescriber Contacted By Fax

Patient Consultation

Payer/Processor Contacted

Referred Patient

Patient Monitoring Initiated

Other Intervention

151

Back Next

Activity
[Please select one]
Prescriber Contacted By Phone
Prescriber Contacted By Fax
Patient Consultation
Payer/Processor Contacted
Referred Patient
Patient Monitoring Initiated
Other Intervention

FIG. 3.15

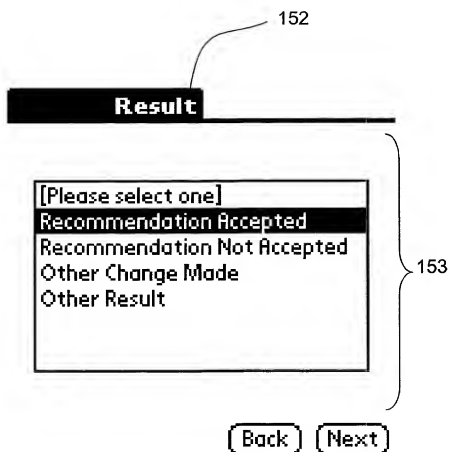


FIG. 3.16

154

Time

[Please select one]

0 - 6 minutes

6 - 15 minutes

15 - 30 minutes

> 30 minutes

155

Back Next

Detailed description: This is a screenshot of a graphical user interface. At the top, there is a dark horizontal bar with the word 'Time' in white. Below this bar is a list box. The list box has a title '[Please select one]' and four visible options: '0 - 6 minutes', '6 - 15 minutes', '15 - 30 minutes', and '> 30 minutes'. The option '6 - 15 minutes' is highlighted with a dark background. To the right of the list box, there is a vertical bracket spanning the height of the list, with the number '155' to its right. At the bottom of the screen, there are two rounded rectangular buttons labeled 'Back' and 'Next'.

FIG. 3.17

156

Patient Information

Patient ID: JS.....

158 **Allergies:**

Penicillins..... ☐

Medication History:

Glucophage..... ☐

Family History:

Hyperlipidemia..... ☐

Social History:

Tobacco..... ☐

157

FIG. 3.18

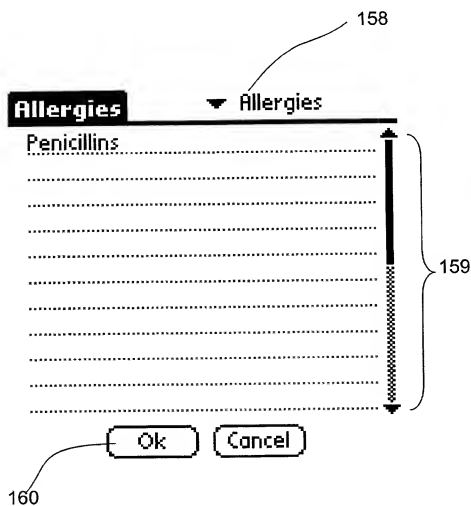


FIG. 3.19

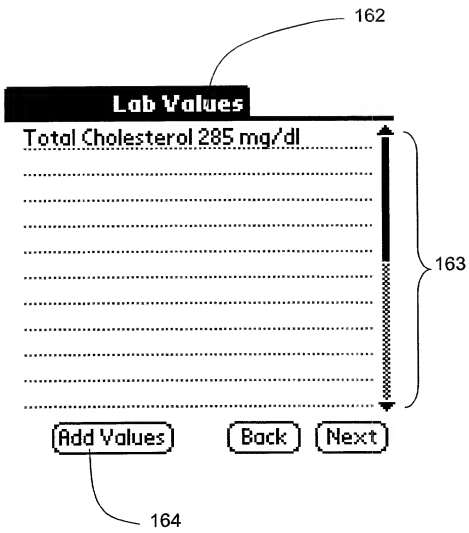


FIG. 3.20

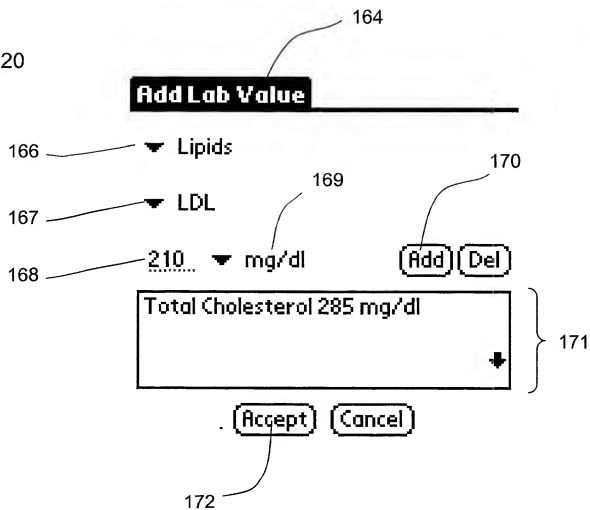


FIG. 3.21

SOAP Notes

176	{	Subjective:	{	175
177		Objective:		
178		Assessment:		
179		Plan:		
180		Follow Up:		

FIG. 3.22

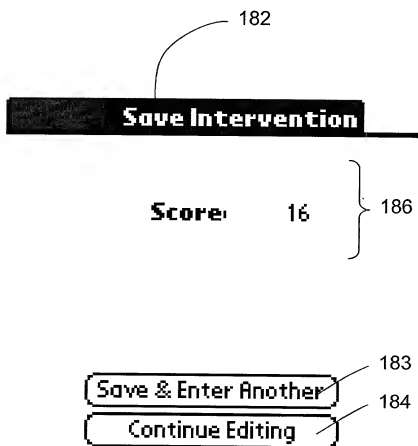
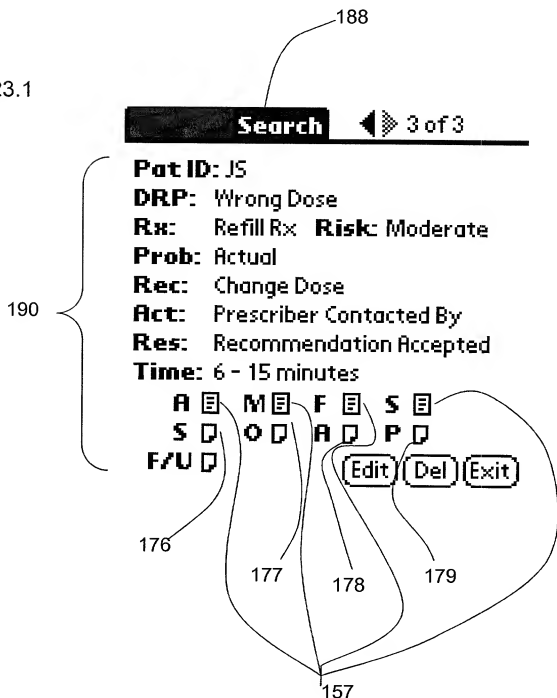


FIG. 3.23.1



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FIG. 3.23.2

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Search 1 of 1

Pat ID: 01 **Date:** 2/20/02

DRP: Wrong Dose

Rx: New Rx **Risk:** Moderate

Prob: Potentia **Drug:** Zantac

Rec: Change Dose

Act: Prescriber Contacted By

Res: Recommendation Accepted

Time: 6 - 15 minutes **SCORE:** 15

190

A ☐ M ☐ F ☐ S ☐

S ☐ O ☐ A ☐ P ☐

F/U ☐

176

177

178

179

157

186

Edit Del Exit

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FIG. 3.24

Site ID: **Date:** 1/13/02

Rotation ID: **Student ID:**
1195

Prescribed Drug:

Perform Wireless Sync

? Would you like to
perform a wireless sync
via the web?

Yes **Cancel**

192

FIG. 3.25

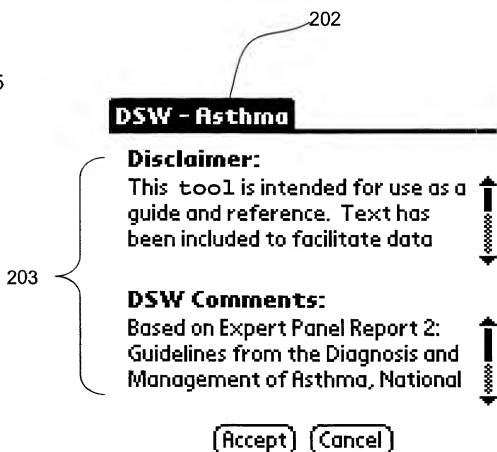


FIG. 3.26

204

DSW - Asthma: Age

206 { [Please select one]

205 { 0 - 5 years

> 5 years

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20220, 5/28/02

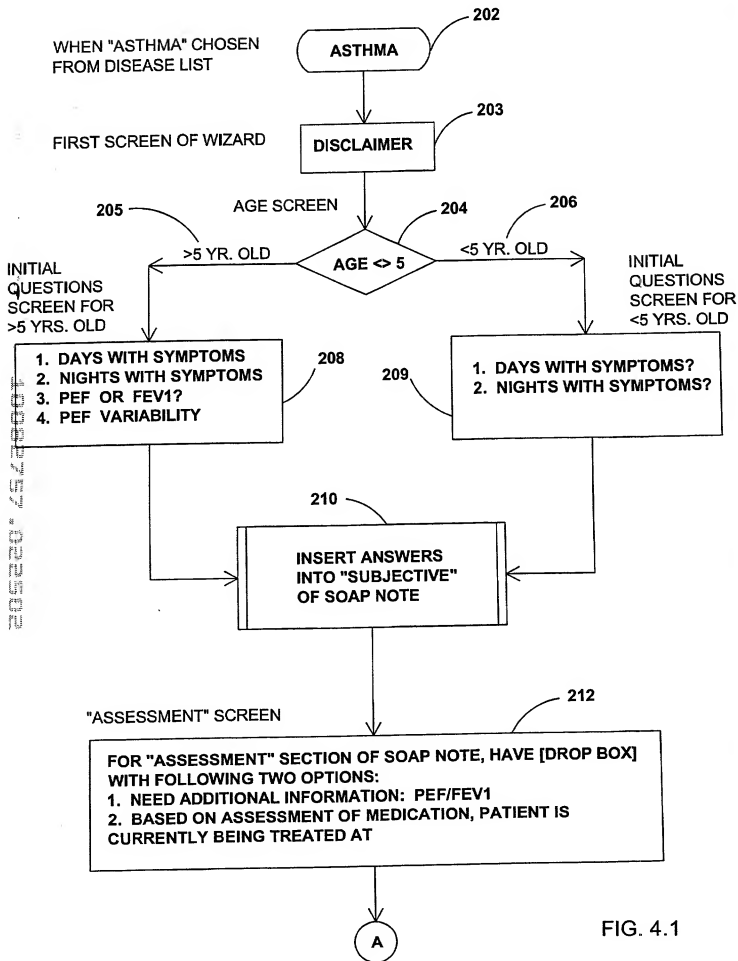


FIG. 4.1

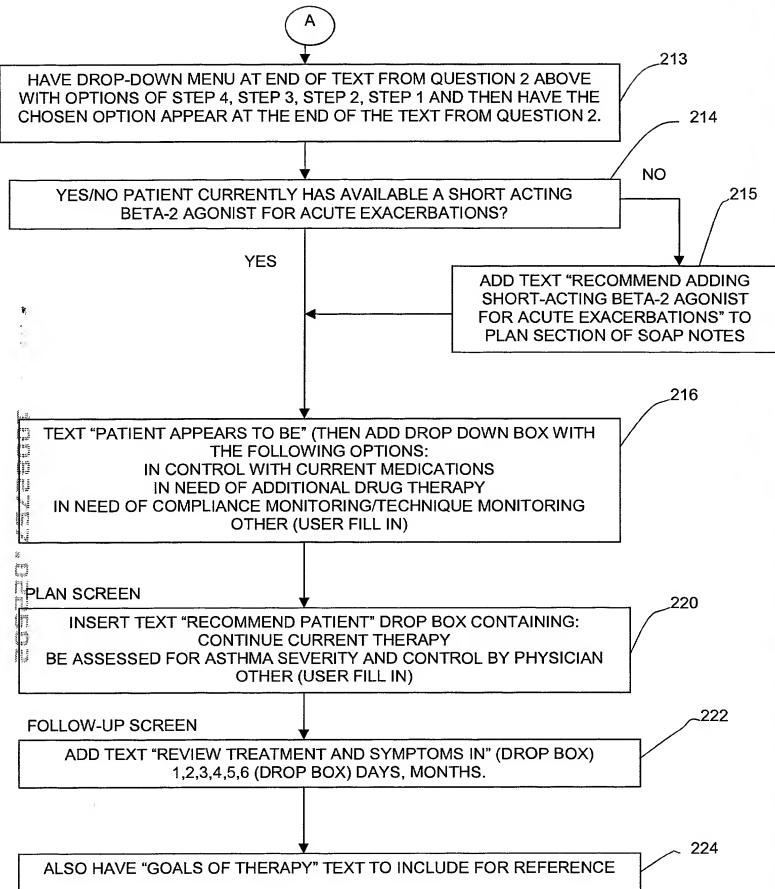


FIG. 4.2

WHEN "HYPERLIPIDEMIA"
CHOSEN FROM DISEASE LIST

HYPERLIPIDEMIA

232

FIRST SCREEN
OF WIZARD

**DISCLAIMER AND REFERENCE
ATP III GUIDELINES**

233

DROP INTO "SUBJECTIVE"
SECTION OF SOAP NOTE

ENTER PATIENT'S AGE

234

236

**IDENTIFY PRESENCE OF CLINICAL ATHEROSCEROTIC DISEASE THAT
CONFERS HIGH RISK FOR CORONARY ARTERY DISEASE (CHD)**

EVENTS (CHD RISK EQUIVALENT):

YES/NO CHECK BOXES OR RADIAL BUTTONS

1. CLINICAL CHD
2. SYMPTOMATIC CAROTID ARTERY DISEASE
3. PERIPHERAL ARTERIAL DISEASE
4. ABDOMINAL AORTIC ANEURYSM
5. DIABETES

235

238

DETERMINE PRESENCE OF MAJOR RISK FACTORS

1. CIGARETTE SMOKING
2. HYPERTENSION (BP \geq 140/90 mmHG OR ON ANTIHYPERTENSIVE MEDICATION)
3. FAMILY HISTORY OF PREMATURE CORONARY HEART DISEASE, CHD (CHD IN MALE FIRST DEGREE RELATIVE $<$ 55 YEARS: CHD IN FEMALE FIRST DEGREE RELATIVE $<$ 65 YEARS)
4. AGE (MEN \geq 45 YEARS, WOMEN \geq 55 YEARS)

DROP INTO "OBJECTIVE"
SECTION OF SOAP NOTE

240

LAB VALUES:
TOTAL CHOLESTEROL
LDL
HDL
TG

TC/HDL RATIO

BLOOD PRESSURE: SYSTOLIC/DIASTOLIC, TREATED YES/NO

239

ENTER INTO "ASSESSMENT"
SECTION OF SOAP NOTE

A

FIG. 5.1

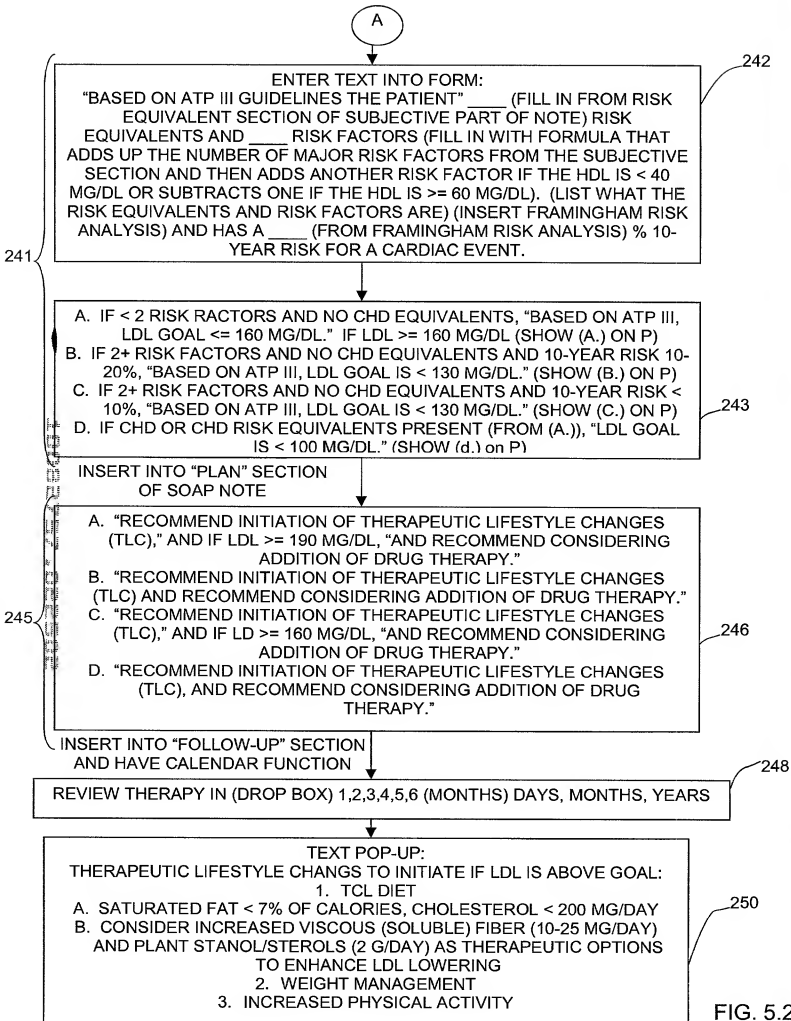


FIG. 5.2

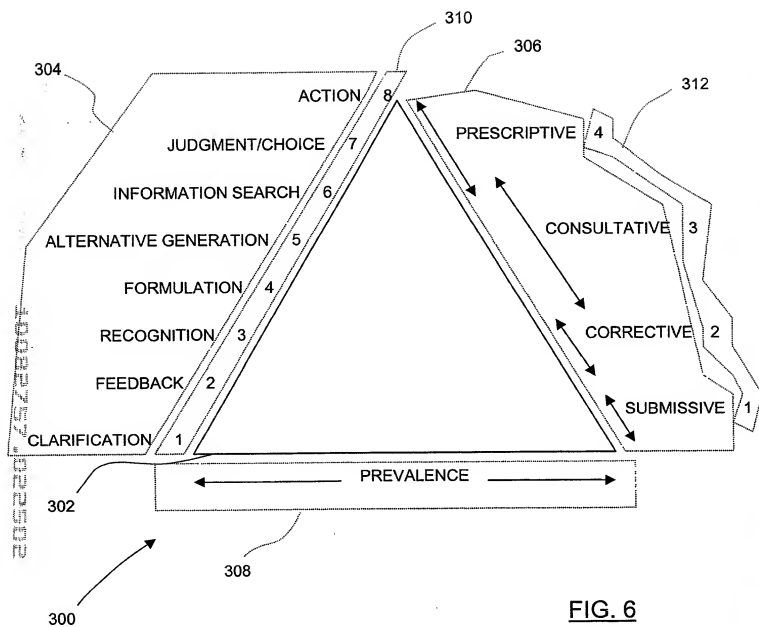


FIG. 6

1. PLEASE USE THE SCALE BELOW TO RATE THE FOLLOWING:

- 8 ACTION - ACTING ON THE CHOICE
- 7 JUDGMENT / CHOICE - MAKING A JUDGMENT ACROSS A NORMATIVE STANDARD AND COMPARING ALTERNATIVES AND EMPLOYING DECISION RULES TO MAKE A SELECTION
- 6 INFORMATION SEARCH - SEEKING PROPERTIES AND ATTRIBUTES OF THE ALTERNATIVES THAT WILL IMPROVE CERTAINTY AND DECREASE RISK
- 5 ALTERNATIVE GENERATION - LIMITING THE NUMBER OF POSSIBLE ANSWERS BY SELECTING A FEW FROM THE POPULATION OF POSSIBLE SOLUTIONS
- 4 FORMULATION - EXPLORING AND CLASSIFYING THE DECISION SITUATION, SEEKING TO UNDERSTAND RELATIONSHIPS AMONG VARIABLES, AND INITIATING A PLAN TO ACHIEVE THE PREFERRED OUTCOME
- 3 RECOGNITION - RECOGNITION OF SITUATIONS
- 2 FEEDBACK - TO FACILITATE RECOGNITION
- 1 CLARIFICATION - NOT A TRUE STEP IN "DECISION-MAKING"

WHAT LEVEL OF COGNITIVE ABILITY IS REQUIRED TO IDENTIFY THE FOLLOWING:

UNNECESSARY DRUG THERAPY

- 3 NO MEDICAL INDICATION
- 3 ADDICTION / RECREATIONAL DRUG USE
- 3 NONDRUG THERAPY MORE APPROPRIATE
- 4 DUPLICATE THERAPY
- 5 TREATING AVOIDABLE ADVERSE REACTION

WRONG DRUG

- 3 DOSAGE FORM INAPPROPRIATE
- 3 CONTRAINDICATION PRESENT
- 3 CONDITION REFRACTORY TO DRUG
- 3 DRUG NOT INDICATED FOR CONDITION
- 4 MORE EFFECTIVE DRUG AVAILABLE

DOSAGE TOO LOW

- 3 WRONG DOSE
- 3 FREQUENCY INAPPROPRIATE
- 3 DURATION INAPPROPRIATE
- 3 INCORRECT STORAGE
- 3 INCORRECT ADMINISTRATION
- 3 DRUG INTERACTION

ADVERSE DRUG REACTION

- 3 UNSAFE DRUG FOR PATIENT
- 3 INCORRECT ADMINISTRATION
- 3 DRUG INTERACTION
- 3 DOSE INCREASE / DECREASE TOO FAST
- 3 UNDESIRABLE EFFECT

DOSAGE TOO HIGH

- 3 WRONG DOSE
- 3 FREQUENCY INAPPROPRIATE

3 DURATION INAPPROPRIATE

4 DRUG INTERACTION

INAPPROPRIATE COMPLIANCE

3 DRUG PRODUCT NOT AVAILABLE

3 CANNOT AFFORD DRUG PRODUCT

3 DOES NOT UNDERSTAND INSTRUCTIONS

3 PATIENT DOSES HIGHER THAN PRESCRIBED

3 PATIENT DOSES LOWER THAN PRESCRIBED

3 PROBLEM WITH THIRD PARTY PAYER

NEED DRUG THERAPY

3 UNTREATED INDICATION

3 PROPHYLACTIC THERAPY

PRESCRIPTION TYPE

— NEW RX

— REFILL RX

143

2. WHICH WOULD YOU CONSIDER TO BE A MORE SIGNIFICANT INTERACTION?

PROBLEM TYPE

2 ACTUAL

1 POTENTIAL

147

3. PLEASE USE THE SCALE BELOW TO RATE THE FOLLOWING ITEMS FOR THE AMOUNT OF ACTIVITY REQUIRED TO PERFORM:

4 PRESCRIPTIVE

3 CONSULTATIVE

2 CORRECTIVE

1 SUBMISSIVE

306

INTERVENTION RECOMMENDATION

3 DISCONTINUE THERAPY

3 CHANGE MEDICATION

3 ADD MEDICATION

3 CHANGE DOSE

3 CHANGE DOSAGE FORM

3 CHANGE REGIMEN

3 PATIENT EDUCATION / INSTRUCTION

1 REFER PATIENT

1 CONTINUE UNCHANGED

3 DISEASE STATE MANAGEMENT

2 NON-DRUG THERAPY

1 OTHER RECOMMENDATION

149

INTERVENTION ACTIVITY

3 PRESCRIBER CONTACTED BY PHONE

3 PRESCRIBER CONTACTED BY FAX

151

- 3 PATIENT CONSULTATION
2 PAYER / PROCESSOR CONTACTED
1 REFERRED PATIENT
4 PATIENT MONITORING INITIATED
1 OTHER INTERVENTION

INTERVENTION RESULT

- 3 RECOMMENDATION NOT ACCEPTED
1 OTHER CHANGE MADE
1 OTHER RESULT

153

4. SOAP NOTE

- _____ SUBJECTIVE
 _____ OBJECTIVE
 _____ ASSESSMENT
 _____ PLAN
 _____ FOLLOW-UP

175

5. LAB VALUES

PLEASE PROVIDE A RECOMMENDATION AS TO WHETHER OR NOT LAB VALUES SHOULD BE INCLUDED IN THE DETERMINATION OF THE DOI SCORE. DOES HAVING LAB VALUES PRESENT IN THE INTERVENTION INDICATE THE STUDENT HAS GONE TO MORE EFFORT OR PUT MORE THOUGHT INTO THE INTERVENTION? SUGGEST A POSSIBLE RANKING (E.G. ONE POINT FOR EACH VALUE PRESENT UP TO THREE POINTS).

IF SO, HOW? (ONE POINT FOR EACH LAB VALUE ENTERED? UP TO A LIMIT?)
 ONE POINT IS GIVEN FOR EACH LAB VALUE ENTERED UP TO THREE TOTAL POINTS FOR THIS SECTION.

6. SOAP NOTES

PLEASE PROVIDE A RECOMMENDATION AS TO WHETHER OR NOT SOAP SHOULD BE INCLUDED IN THE DETERMINATION OF THE DOI SCORE.

IF SO, HOW?

NO POINTS ARE CURRENTLY GIVEN FOR SOAP NOTES.

7. PATIENT INFORMATION

PLEASE PROVIDE A RECOMMENDATION AS TO WHETHER OR NOT THE INCLUSION OF PATIENT INFORMATION SHOULD BE INCLUDED IN THE DETERMINATION OF THE DOI SCORE.

IS SO, HOW?

NO POINTS ARE CURRENTLY GIVEN FOR THE INCLUSION OF PATIENT INFORMATION.

SHOULD ANY OF THE ABOVE SECTIONS BE WEIGHTED HIGHER THAN OTHERS?
 SECTIONS ARE ALL EQUALLY WEIGHTED.